

Atty. Dkt. No. 035451-0198 (3550.Palm) (fka 025782-0102)

REMARKS

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Claims 1, 15, and 22 are currently being amended. No new matter is added.

This amendment adds, changes and/or deletes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

After amending the claims as set forth above, claims 1-13 and 15-30 are now pending in this application.

Claim Rejections – 35 U.S.C. § 112

In section 2 of the Office Action, the Examiner rejected claims 1-13 and 15-30 under 35 U.S.C. § 112, first paragraph as failing to comply with the written description requirement. The Examiner stated that “the claims contained subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed had possession of the claimed invention.” The Examiner also stated that:

The claims require that “display mode is dependent upon the available power, memory and/or memory bandwidth”. However, the original filed specification merely support or discuss “allocate the memory according to the display mode”. Page 10 of the specification merely mention “Further, it may be desirable to choose a display mode based on other factors, such as, but not limited to, available unified memory space, available power, or available bandwidth on the communication bus.” Without any detail teachings of how to reconfigure the system. The claims also require that “display logic is configured to . . . and allocate the memory according to the display mode *by sizing the frame buffer* and change the display mode *and the size of the frame buffer*”

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during operation of application running on the computing device according to changing graphical needs of the application, available unified memory space, and available power". However, the specification only support allocating the memory based on the display mode not by the sizing of the frame buffer and furthermore the specification merely mention "change of the display mode according to change graphical needs of the application, available unified memory space, and available power" not "size of the frame buffer" as claimed. Without any detail support from the specification, the features would be considered as well know or thin the level of ordinary skill in the art to modify from the similar system, for example, from teachings of "allocating memory based on the changed of display mode" to come up with the similar support of "display mode changes based on other factors, such as, but not limited to, available unified memory space, available power, or available bandwidth on the communication bus" as claimed for the 35 USC 103 rejection below.

Applicants respectfully submit that the rejections under 35 U.S.C. §112 have been thoroughly addressed by the amendments to independent claims 1, 15 and 22. Applicants have amended claims 1, 15, and 22, both substantively and for clarity. Accordingly, Applicants respectfully request the withdrawal of the rejections of claims 1-13 and 15-30 under 35 U.S.C. § 112.

Claim Rejections – 35 U.S.C. § 103

In section 4 of the Office Action, the Examiner rejected claims 1-13 and 15-30 under 35 U.S.C. § 103(a) as being unpatentable over Crocker et al. (U.S. Patent No. 5,915,265) in view of Nale (U.S. Patent No. 5,793,385) and Tsang (U.S. Patent No. 5,961,617).

Applicants respectfully submit that claims 1, 15, and 22 have been substantively amended to recite "a display controller coupled to the communication bus and having dedicated internal display random access memory, the internal display random access memory, the internal display random access memory for storing display information, the internal display random access memory configured to receive and provide access to display information to be communicated to the display. The internal display random access memory being controlled by display logic; and a dedicated external display random access memory coupled to the display controller, the display

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logic being configured to manage the internal and external display random access memory and allocate the internal and external display random access memory across the internal and external display random access memory accordingly to the display mode and the display logic is configured to change the display mode during operation of an application running on the computing device according to changing graphical needs of the application, the display modes including at least one of resolution modes and color modes." Applicants respectfully submit that the structure provided in independent claims 1, 15, and 22 and shown by way of example in FIG. 2 of Applicants' Specification is not disclosed, taught, or suggested by any proper combination of Crocker et al., Nale, and Tsang. None of Crocker et al., Nale, or Tsang provide a structure in which an internal display RAM and an external dedicated display RAM is used to hold varying amounts of information and is allocated flexibly in accordance with the display mode required by the application running on the computing device. Accordingly, Applicants respectfully submit that independent claims 1, 15, and 22 are therefore allowable. Further, Applicants respectfully submit that claims depending from independent claims 1, 15, and 22 are also allowable.

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Applicant believes that the present application is now in condition for allowance.

Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 06-1447. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1447. If any extensions of time are needed for timely acceptance of papers

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submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 06-1447.

Respectfully submitted,

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